

(FILE 'HOME' ENTERED AT 14:50:40 ON 22 AUG 2006)

FILE 'REGISTRY' ENTERED AT 14:51:27 ON 22 AUG 2006

L1 STRUCTURE UPLOADED

L2 40 S L1

L3 887 S L1 FUL

FILE 'CAPLUS, CAOLD' ENTERED AT 14:53:07 ON 22 AUG 2006

L4 35 S L2

L5 145 S L3

L6 110 S L5 NOT L4

L7 1 S L6 AND INSECTICIDE

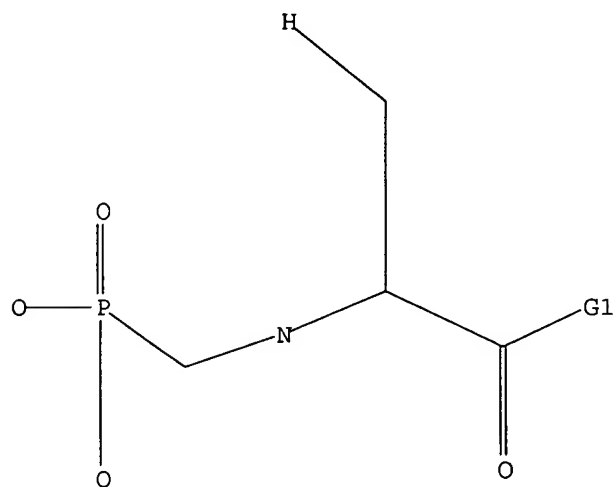
L8 1 S L6 AND INSECT?

L9 0 S L8 NOT L7

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2002:777603 CAPLUS
 DN 137:274431
 TI Insecticide compositions containing amino acids
 IN Sandeman, Richard Mark; Chandler, David Spencer; Duncan, Ann Maree; Hay, Phillip Maxwell
 PA Nufarm Limited, Australia; La Trobe University
 SO PCT Int. Appl., 62 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002078448	A1	20021010	WO 2002-AU389	20020328
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1385379	A1	20040204	EP 2002-712624	20020328
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	CN 1510989	A	20040707	CN 2002-810408	20020328
	JP 2004532837	T2	20041028	JP 2002-576727	20020328
	BR 2002008520	A	20050201	BR 2002-8520	20020328
	US 2004176424	A1	20040909	US 2003-674196	20030929
PRAI	AU 2001-4069	A	20010329		
	WO 2002-AU389	W	20020328		

OS MARPAT 137:274431

AB Insecticides of formula R3N(R2)AC(R1)(:O) and the agriculturally acceptable salts thereof (R1 = OR5 wherein R5 = H, (un)substituted alkyl, (un)substituted aryl, (un)substituted cycloalkyl, (un)substituted heterocyclic; NR6OH wherein R6 = H, (un)substituted alkyl, (un)substituted aryl, (un)substituted carbocyclic; NR7R8 wherein R7 and R8 = H, (un)substituted alkyl, (un)substituted aryl and carbocyclic; and wherein R1 is linked to R2 to form a diradical bridging group; R2 and R3 = H, (un)substituted alkyl, (un)substituted carbocyclic, (un)substituted aryl, and (un)substituted acyl; and A = diradical linking group, which has a mol. weight of preferably less than 200 and more preferably less than 100) are used to control insect species selected from the orders Lepidoptera, Hemiptera, Orthoptera, Coleoptera, Psocoptera, Isoptera, Thysanoptera and Homoptera on cotton.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:104942 CAPLUS
DN 132:265248
TI Synthesis of N-(O,S-dimethylthiophosphoryl) α -L-amino acid
esters and their insecticidal activity
AU Tang, Jia-fang; Zhou, Jiu-yuan; Liu, Zhi-lan; Xiao, Yu-xiu; Wu, Zheng-hui;
Wu, Kai-nang
CS College of Life Sciences, Wuhan University, Wuhan, 430072, Peop. Rep.
China
SO Wuhan Daxue Xuebao, Ziran Kexueban (1999), 45(6), 861-864
CODEN: WTHPDI; ISSN: 0253-9888
PB Wuhan Daxue Xuebao Bianjibu
DT Journal
LA Chinese
AB N-(O,S-Dimethylthiophosphoryl) α -L-amino acid esters
(NDTPAAE), $\text{MeS(OMe)P(O)NHC(R)HCO}_2\text{Me}$ ($\text{R} = \text{H, CH}_2, \text{CHMe}_2, \text{CH}_2\text{CHMe}_2$), prepared
with high yield and high optical purity from the esters α -L-amino
acids on a mol. scale. The compds. was characterized with IR, $^1\text{H-NMR}$,
mol. rotation power and biotest. Within 0.01%-0.001% of NDTPAAE the
death-rate caused by contact toxicant to two age bollworm was 100%-80% and
the death-rate of stomach poison was 95%-50%. It was found that the
longer of the carbon chain in the R-group of active amino acids was the
stronger of the insecticide activity indicated.

L20 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1983:589788 CAPLUS
DN 99:189788
TI Further studies on biological activity of aminophosphonates structurally
related to N-(phosphonomethyl) glycine
AU Bakuniak, E.; Bakuniak, I.; Borucka, B.; Ostrowski, J.
CS Inst. Ind. Org. Chem., Warsaw, 03-236, Pol.
SO Journal of Environmental Science and Health, Part B: Pesticides, Food
Contaminants, and Agricultural Wastes (1983), B18(4-5), 485-96
CODEN: JPFCD2; ISSN: 0360-1234
DT Journal
LA English
AB The biol. activities of glyphosate analogs and homologs as well as
N-substituted aminoalkanophosphonates were evaluated. No acaricidal or
insecticidal activities were detected (no data). Herbicidal
activity was generally demonstrated; complete absence of activity was
observed with acetylaminophosphonates in which Et groups were substituted at
the P atom and at the carboxyl group instead of H, and with 2 phosphinic
acids.